Chevrolet Volt Vehicle Demonstration

Fleet Summary Report

Reporting period: May 2011 through September 2012

Number of vehicles: 150

Number of vehicle days driven: 28,281

All operation

Overall gasoline fuel economy (mpg)	71.0
Overall AC electrical energy consumption (AC Wh/mi)	169
Average Trip Distance	12.5
Total distance traveled (mi)	1,661,080
Average Ambient Temperature (deg F)	67.1

Electric Vehicle mode operation (EV)

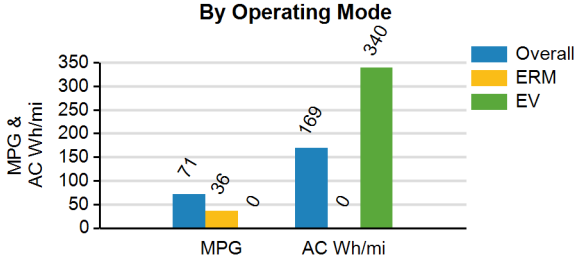
Gasoline fuel economy (mpg)	No Fuel Used
AC electrical energy consumption (AC Wh/mi)	340
Distance traveled (mi)	826,775
Percent of total distance traveled	49.8%
Average driving style efficiency (distance weighted)[1]	81%

Extended Range mode operation (ERM)

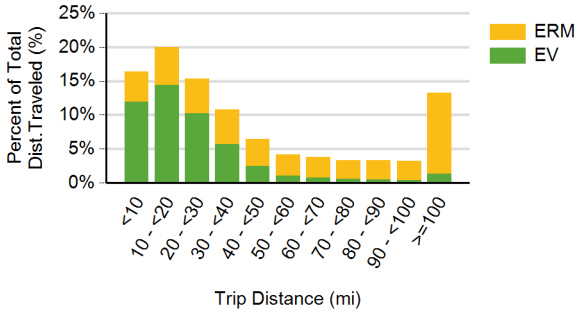
Gasoline fuel economy (mpg)	35.7
AC electrical energy consumption (AC Wh/mi)	No Elec. Used
Distance traveled (mi)	834,306
Percent of total distance traveled	50.2%
Average driving style efficiency (distance weighted)[1]	78%

	City[3]	Highway[3]
Percent of miles in EV operation (%)	66.9%	31.6%
Percent Number of trips	85.8%	14.2%
Average trip distance (mi)	7.2	44.0
Average driving style efficiency (distance weighted)[1]	78%	82%

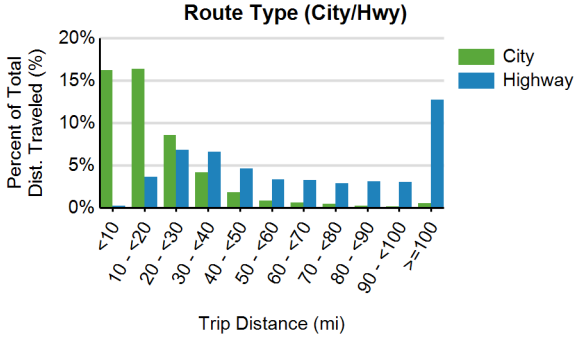
Fuel Economy & Electrical Consumption By Operating Mode



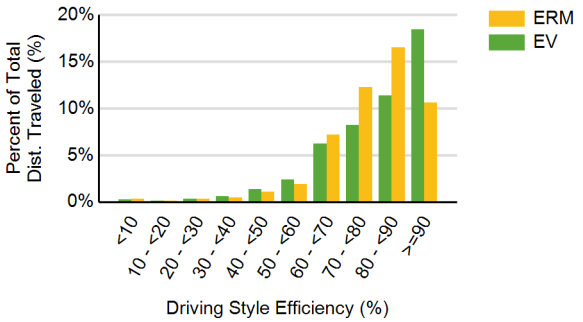
Percent Distance Traveled By Operating Mode (EV/ERM)



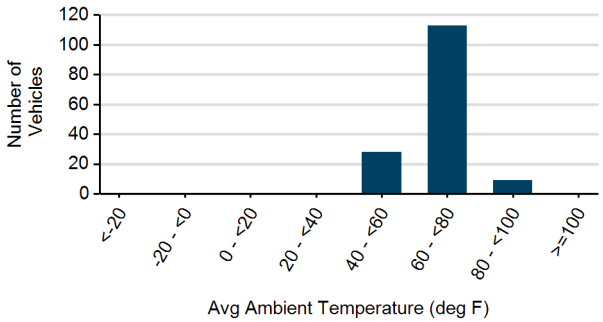
Percent Distance Traveled by Route Type (City/Hwy)



Percent Distance Driven for each Driving Style Efficiency



Distribution of Average Ambient Temperature[2]



1 The energy efficiency over the drive cycle is based on driving style. Driving in a more efficient manner results in a higher percentage for driving style.

2 Plot shows average ambient temperature during all driving in the reporting period for each vehicle

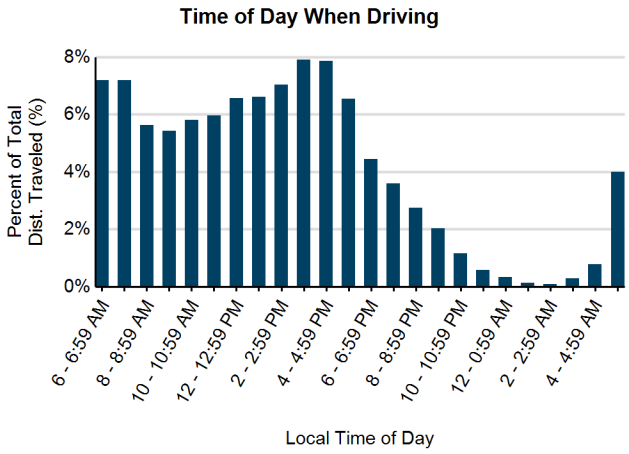
3 City / Highway defined per SAE J2841

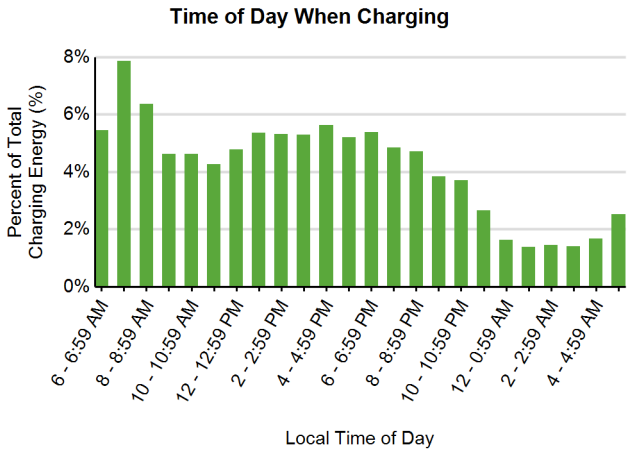
Chevrolet Volt Vehicle Demonstration (continued)

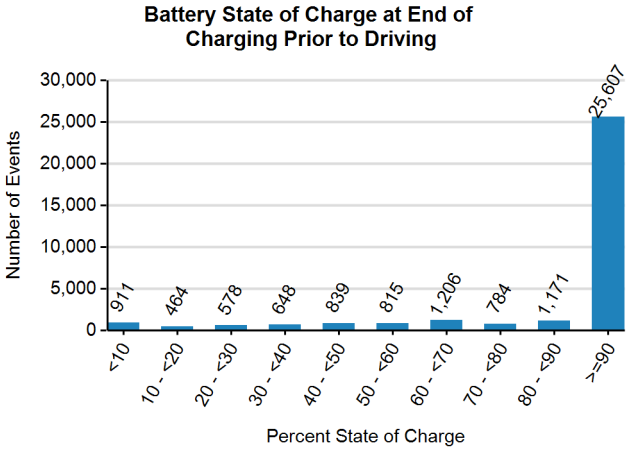
Reporting period: May 2011 through September 2012

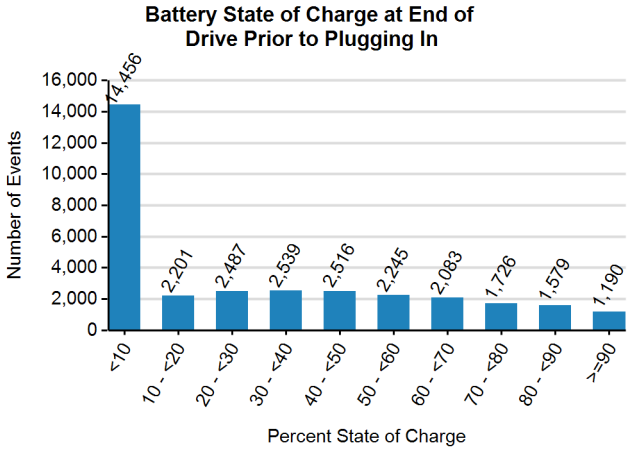
Charging Information

Average number of charging events per vehicle month*	18
Average number of charging events per vehicle day*	1.2
Average distance between charging events (mi)	44
Average number of trips between charging events	3.5
Average time charging per charging event (hr)	3.2
Average energy per charging event (AC kWh)	7.2
Average charging energy per vehicle month* (AC kWh)	128
Total charging energy (AC kWh)	280,996









* month or day vehicle is driven